

Comparisons of Job Characteristics

Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)

Associated Occupation: Fire Inspectors and Investigators (33-2021)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 52

Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)

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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Public Safety and Security	6.9	19.2	14.0	<<	Extensive education and/or training may be required
Customer and Personal Service	11.3	17.8	10.8	<<	Extensive education and/or training may be required
Law and Government	5.9	16.4	12.4	<<	Extensive education and/or training may be required
Education and Training	9.2	15.2	12.0	<<	Extensive education and/or training may be required
Building and Construction	4.0	13.8	10.3	<<	Extensive education and/or training may be required
Clerical	7.3	12.5	8.8	<<	Extensive education and/or training may be required
Chemistry	4.8	12.2	13.0	0	Current knowledge level may be sufficient
Physics	4.3	9.6	14.1	>>	Current knowledge level is likely more than sufficient
Telecommunications	3.9	7.0	4.5	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 89

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Active Listening	11.0	13.2	13.8	0	Current skill level may be sufficient

Judgment and Decision Making	9.4	11.4	12.0	0	Current skill level may be sufficient
Science	4.5	8.9	12.4	>>	Skill level is likely more than sufficient
Quality Control Analysis	5.9	8.4	9.7	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 90

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Problem Sensitivity	11.1	14.9	15.3	0	Current ability level may be sufficient
Inductive Reasoning	10.2	14.5	14.3	0	Current ability level may be sufficient
Flexibility of Closure	7.8	13.5	10.9	<	Some improvement in abilities may be required
Far Vision	7.8	11.5	10.2	<	Some improvement in abilities may be required
Perceptual Speed	7.4	11.0	9.4	<	Some improvement in abilities may be required
Visual Color Discrimination	6.4	10.9	8.2	<<	Extensive improvement in abilities may be required
Speed of Closure	5.9	9.3	8.2	<	Some improvement in abilities may be required
Glare Sensitivity	2.6	5.5	1.2	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)
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Work Activities	Exclusivity of Activity
Analyze existing evidence or facts	69
Communicate technical information	4
Compile information on findings from investigation of accidents	82
Conduct fire hazard inspections	92
Conduct training for personnel	30
Determine fire causes	99
Inspect facilities or equipment for regulatory compliance	51
Make presentations	13
Recommend action to ensure compliance	73

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.